

1 16. (new) A biologically-degradable or bio-soluble glass fiber composition, characterized in that
2 it comprises the following components expressed in percent by weight:

3 - SiO₂: 61 to 66;
4 - Al₂O₃: 1.1 to 1.80;
5 - (CaO+MgO): higher than 9;
6 - Na₂: 17.50 to 18.50;
7 - K₂O: 0.6 to 1;
8 - B₂O₃: 4 to 15;
9 - P₂O₅: 0 to 5;
10 - SO₃: 0.1 to 0.5;
11 - Fe₂O₃: 0 to 0.5;
12 - Others: less than 2.

1 17. (new) The composition as claimed in claim 16, wherein it comprises the following
2 components expressed in percent by weight:

3 - SiO₂: 63.95;
4 - Al₂O₃: 1.10;
5 - CaO: 7.50;
6 - MgO: 2.50;
7 - Na₂O: 17.80;
8 - K₂O: 0.70;
9 - B₂O₃: 6.00;
10 - SO₃: 0.35;
11 - Fe₂O₃: 0.10;
12 - Others: less than 2.

1 18. (new) The composition as claimed in claim 16, wherein it comprises the following
2 components expressed in percent by weight:

3 - SiO₂: 64.95;
4 - Al₂O₃: 1.20;
5 - CaO: 7.00;
6 - MgO: 2.50;
7 - Na₂O: 17.80;
8 - K₂O: 0.70;
9 - B₂O₃: 4.40;
10 - P₂O₅: 1.00;
11 - SO₃: 0.35;
12 - Fe₂O₃: 0.10;
13 - Others: less than 2.

1 19. (new) The composition as claimed in claim 16, wherein it comprises the following
2 components expressed in percent by weight:

3 - SiO₂: 63.40;
4 - Al₂O₃: 1.70;
5 - CaO: 6.80;
6 - MgO: 3.60;
7 - Na₂O: 17.60;
8 - K₂O: 0.90;
9 - B₂O₃: 5.90;
10 - Fe₂O₃: 0.10;
11 - Others: less than 2.

1 20. (new) A biologically-degradable or bio-soluble glass fiber composition, wherein it comprises
2 the following components expressed in percent by weight:

Cont.
3 - SiO₂: 61 to 66;
4 - Al₂O₃: 1.1 to 1.25;
5 - (CaO+MgO): higher than 9;
6 - Na₂: 17.50 to 18.50;
7 - K₂O: 0.6 to 1;
8 - B₂O₃: 4 to 15;
9 - (B₂O₃+P₂O₅) higher than 5;
10 - SO₃: 0 to 1;
11 - Fe₂O₃: 0 to 0.5;
12 - Others: less than 2.

1 21. (new) The composition as claimed in claim 20, wherein it comprises the following
2 components expressed in percent by weight:

3 - B₂O₃: higher than 5.5;
4 - P₂O₅: 0 to less than 0.1.

1 22. (new) The composition as claimed in claim 20, wherein it comprises the following
2 component expressed in percent by weight:

3 - SO₃: 0.1 to 0.5

1 23. (new) The composition as claimed in claim 20, wherein it comprises the following
2 components expressed in percent by weight:

3 - B₂O₃: less than 5;
4 - P₂O₅: 0.75 to 1.5.

1 24. (new) The composition as claimed in claim 20, wherein it comprises the following
2 component expressed in percent by weight:

3 - Fe₂O₃: 0.05 to 0.2.

1 25. (new) A biologically-degradable or bio-soluble glass fiber composition, wherein it comprises
2 the following components expressed in percent by weight:

3 - SiO₂: 61 to 66;
4 - Al₂O₃: 1.6 to 1.8;
5 - CaO: 6 to 9;
6 - MgO: higher than 3.50;
7 - Na₂O: 17.50 to 18.50;
8 - K₂O: 0.6 to 1.5;
9 - B₂O₃: 5 to 15;
10 - P₂O₅: less than 0.1;
11 - SO₃: less than 0.35;
12 - Fe₂O₃: higher than zero
13 - Others: less than 2.

1 26. (new) The composition as claimed in claim 25, wherein it comprises the following
2 components expressed in percent by weight:

3 - SO₃: 0.1 to 0.25.